

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A method, comprising:
 - (a) creating in a design environment a first human-readable XML file that including metadata that describes how data in the first XML file is to be presented;
 - (b) communicating the first XML file to a mobile device;
 - (c) storing the first XML file in a memory on the mobile device;
 - (d) converting the first XML file into a first binary structure at an initial run of a computer application running on the mobile device, the first binary structure adapted to be read and executed by the computer application on the mobile device; and
 - (e) recording the first binary structure in the memory of the mobile device;
 - (f) storing a timestamp and a filesize in the memory with the first binary structure, the timestamp and the filesize uniquely identifying the first file corresponding to the first binary structure;
 - (g) loading a second human-readable XML file into the memory of the mobile device, the second XML file having a timestamp, filesize and metadata describing how data associated with the second file is to be presented;
 - (h) determining whether the first XML file has been updated, upon a startup of the computer application on the mobile device, by comparing a timestamp and a filesize of the currently loaded second XML file on the mobile device to the timestamp and the filesize, respectively, of the first XML file recorded with the first binary structure;
 - (i) based on the result of comparison, deleting the first binary structure from the memory of the mobile device, and mapping a second binary structure, converted from the currently loaded second XML file, by the computer application into the memory of the mobile device;
 - (j) reading and executing the mapped second binary structure by the computer application running on the mobile device; and
 - (k) presenting on the mobile device, data associated with the second XML file according to the metadata of the second XML file according to the read second binary structure.

2. (Original) The method of claim 1, wherein the method is adapted to create a database access system.
3. (Canceled.)
4. (Canceled).
5. (Canceled).
6. (Canceled).
7. (Currently Amended) The method of claim 1, wherein, if the datestamp and the filesize of the currently loaded second XML file on the mobile device correspond with the datestamp and the filesize of the first XML file recorded with the first binary structure, then the first XML file and the second XML file are identical and the first XML file has not been updated.
8. (Currently Amended) The method of claim 1, wherein if the datestamp and the filesize of the currently loaded second XML file on the mobile device do not correspond with the datestamp and the filesize of the first XML file recorded with the first binary structure when compared, then the first XML file and the second XML file are not identical and the first XML file has been updated.
9. (Previously Presented) The method of claim 8, further comprising repeating operations (d) and (e) for the second file.
10. (Currently Amended) The method of claim 1, further comprising:
creating a new XML file to change the metadata; and
repeating the operations of (b), (c), (d), and (e) for the new XML file.
11. (Original) The method of claim 1, wherein the metadata describes at least one of:
actual data;

at least one attribute for the at least one business object;
at least one relationship between a plurality of business objects; and
the at least one query.

12. (Original) The method of claim 1, wherein the mobile device includes at least one of a laptop computer and a personal digital assistant.
13. (Currently Amended) The method of claim 1, wherein the recording of the first binary structure in the memory includes mapping the first binary structure into an address space.
14. (Currently Amended) The method of claim 1, further comprising mapping the first binary structure for a subsequent run of the computer application until the first XML file.
15. (Currently Amended) A method, comprising:
 - loading onto a mobile device a first XML file that includes metadata describing how data from the first XML file is to be presented by a computer application, wherein the computer application is running on the mobile device;
 - storing the first XML file in a memory of the mobile device;
 - converting the first XML file into a first binary file at a first running of the computer application on the mobile device and storing the first binary file in the memory of the mobile device, wherein the first binary file is executed in the run-time environment of the mobile device;
 - storing a datestamp and a filesize uniquely identifying the first XML file in the memory of the mobile device with the first binary file;
 - loading onto a mobile device a second XML file that includes metadata describing how data from the second XML file is to be presented by the computer application on the mobile device;
 - determining whether the second XML file has been updated upon a subsequent running of the computer application by comparing a datestamp and a filesize of the second XML file currently loaded on the mobile device to the stored datestamp and the stored filesize, respectively, of the first XML file;

mapping a second binary file, converted from the currently loaded second XML file, by the computer application into the memory if the first XML file has been updated, that replaces the first binary file converted from the first XML file, wherein the first binary file is deleted from the memory of the mobile device; and

displaying, on the mobile device, data from the second XML file based on the metadata of the second file as processed by the computer application.

16. (Canceled).
17. (Currently Amended) The method of claim ~~16~~15, further comprising reading the binary file converted from the first file at a second running of the computer application, if the first file has not been updated.
18. (Canceled).
19. (Canceled).
20. (Currently Amended) A system for updating a database access program, comprising:
 - a design server including a memory and a processor adapted to create a first XML file that relates a plurality of objects in a computer application with records in a database, wherein the first XML file includes metadata describing how data from the records is to be presented on a mobile device; and
 - a mobile device including a processor, a program memory, a database memory, and a communication interface coupled to a network;
 - wherein the design server sends the first XML file to the mobile device over the communication interface;
 - wherein the mobile device is adapted to receive the first XML file from the design server and transform the first XML file into a first binary structure at an initial run of a computer application running on the mobile device, the first binary structure adapted to be read and executed by the computer application running on the mobile device;

wherein the mobile device stores a datestamp and a filesize uniquely identifying the first XML file in a memory of the mobile device with the first binary structure;

wherein the mobile device loads a second XML file, the second XML file relating a plurality of objects in the computer application with records in a database and containing metadata for presenting data, onto the mobile device, the mobile device determines whether the second XML file has been updated upon subsequent run of the computer application by comparing a datestamp and a filesize of the currently loaded second XML file on the mobile device to the stored datestamp and the stored filesize, respectively, of the first XML file;

wherein the mobile device maps a second binary file, transformed from the currently loaded second XML file, by the computer application into the memory and deletes the first binary structure, if the first XML file has, based on the result of the comparison, been updated; and

wherein the computer application on the mobile device reads the mapped second binary file and presents data from the related records based on the metadata transformed from the second XML file.

21. (Canceled).
22. (Currently Amended) The method of claim 15, wherein, if the datestamp and the filesize of the currently loaded second XML file on the mobile device correspond with the stored datestamp and the stored filesize of the first XML file recorded with the first binary structure, then the first XML file and the currently loaded second XML file are identical and the first XML file has not been updated.
23. (Currently Amended) The method of claim 15, wherein if the datestamp and the filesize of the currently loaded second XML file on the mobile device do not correspond with the stored datestamp and the stored filesize of the first XML file recorded with the binary structure, then the first XML file and the currently loaded second XML file are not identical and the first XML file has been updated.

24. (Currently Amended) The system of claim 20, wherein, if the datestamp and the filesize of the currently loaded second XML file on the mobile device correspond with the datestamp and the filesize of the first XML file recorded with the first binary structure, then the first XML file and the second XML file are identical and the first XML file has not been updated.
25. (Currently Amended) The system of claim 20, wherein if the datestamp and the filesize of the currently loaded second XML file on the mobile device do not correspond with the datestamp and the filesize of the first XML file recorded with the binary structure, then the first XML file and the currently loaded second XML file are not identical and the first XML file has been updated.
26. (Currently Amended) A method, comprising:
- starting an application in a run-time environment at a mobile device;
 - receiving at the mobile device a first XML file created in a development environment at a remote device;
 - converting the first XML file to a first binary structure, wherein the first binary structure is a machine readable and executable version of the first file created in the development environment;
 - storing a first filesize and a first datestamp of the first XML file with the first binary structure in a memory of the mobile device;
 - receiving at the mobile device a second XML file created in the development environment at the remote device, wherein the second XML file has a second filesize and a second datestamp;
 - determining if the second XML file corresponds to the first XML file that has been converted into the -stored first binary structure;
 - when the second XML file corresponds to the stored first binary structure, determining if the second XML file is an updated version of the stored first binary structure by comparing ~~a~~ the second filesize of the second XML file to the first filesize and comparing ~~a~~ the second datestamp of the second XML file to the first datestamp; and

when the second filesize and the second datestamp do ~~no~~not match the first filesize and the first datestamp, respectively, deleting the stored first binary structure and the first filesize and the first datestamp, converting the second XML file to a second binary structure, wherein the second binary structure is a machine readable and executable version of the second XML file, and storing the second filesize, the second datestamp and the second binary structure in the memory of the mobile device.

27. (Currently Amended) A method for accessing data by a mobile device, comprising:

designing a human readable XML data file in a design environment, the human readable XML data file containing metadata information including data descriptions, a filesize, datestamp of when the XML data file was last modified and criteria for selecting records from a database, wherein the database is connected to a server;

forwarding the human readable XML data file from the design environment to the mobile device;

comparing the filesize and the datestamp of the human readable XML data file with a filesize and a datestamp of a machine readable file stored on the mobile device, wherein the machine readable file is an earlier version of the human readable XML data file;

if the filesize and datestamp of the human readable XML data file based on the result of the comparison do not match the filesize and datestamp related to the machine readable file on the mobile device, converting the human readable XML data file including data descriptions and criteria for selecting records from the database to a new machine readable file;

storing the new machine readable file and the filesize and datestamp of the human readable file on the mobile device;

launching a computer application on the mobile device that presents data according to the data description in the metadata information stored in the stored machine readable file; and

accessing the database connected to the server using the new machine readable file in the run-time environment and the criteria for selecting records from a database by the computer application.